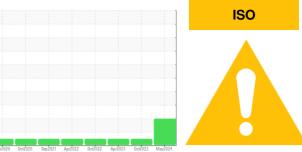


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



current

history1

history2

Area CORN RECEIVING Machine Id C-825 Component Gearbox Fluid MOBIL SHC 630 (13 LTR)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

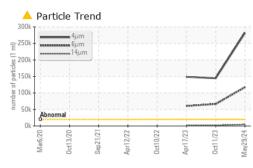
Fluid Condition

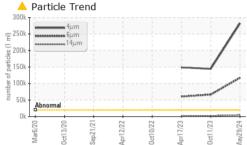
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

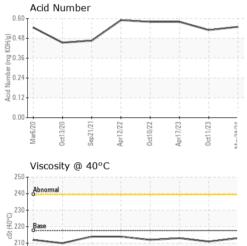
| SAWFLE INFURIN | ATION | method | iinii/base | current | nistory i | nistory2 |
|---|------------------|--|------------------|--------------------|---------------|---------------|
| Sample Number | | Client Info | | WC0929836 | WC0866666 | WC0809590 |
| Sample Date | | Client Info | | 29 May 2024 | 11 Oct 2023 | 17 Apr 2023 |
| Machine Age | yrs | Client Info | | 9 | 9 | 9 |
| Oil Age | yrs | Client Info | | 0 | 0 | 8 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | NORMAL | NORMAL |
| CONTAMINATION | | method | limit/base | current | history1 | history2 |
| | N | | | | | |
| Water | | WC Method | | NEG | NEG | NEG |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >200 | 18 | 20 | 19 |
| Chromium | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Lead | ppm | ASTM D5185m | >100 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >200 | 0 | 0 | 0 |
| Tin | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | <1 | <1 |
| Magnesium | ppm | ASTM D5185m | | 0 | 0 | 1 |
| Calcium | ppm | ASTM D5185m | | 2 | 4 | 2 |
| Phosphorus | ppm | ASTM D5185m | | 505 | 475 | 505 |
| Zinc | ppm | ASTM D5185m | | 7 | 2 | 9 |
| Sulfur | ppm | ASTM D5185m | | 65 | 93 | 114 |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >50 | 30 | 38 | 29 |
| Sodium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | 0 |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >20000 | A 281795 | 144427 | 148527 |
| Particles >6µm | | ASTM D7647 | >5000 | <u> </u> | 66606 | 60519 |
| | | ASTM D7647 | >640 | 4653 | 2097 | 1609 |
| Particles >14µm | | ASTM D7647 | >160 | <mark>/</mark> 985 | 300 | 272 |
| • | | | | | | |
| Particles >21µm | | ASTM D7647 | >40 | 21 | 6 | 16 |
| Particles >21µm Particles >38µm | | | | 21 0 | 6 1 | 16 1 |
| Particles >14μm Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness | | ASTM D7647 | | | | |
| Particles >21μm Particles >38μm Particles >71μm | TION | ASTM D7647 ASTM D7647 | >10 | 0 | 1 | 1 |
| Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness | TION mg KOH/g | ASTM D7647 ASTM D7647 ISO 4406 (c) | >10 >21/19/16 | 0 ▲ 25/24/19 | 1 24/23/18 | 1 24/23/18 |



OIL ANALYSIS REPORT







200

190

Mar6/20

Abnorma

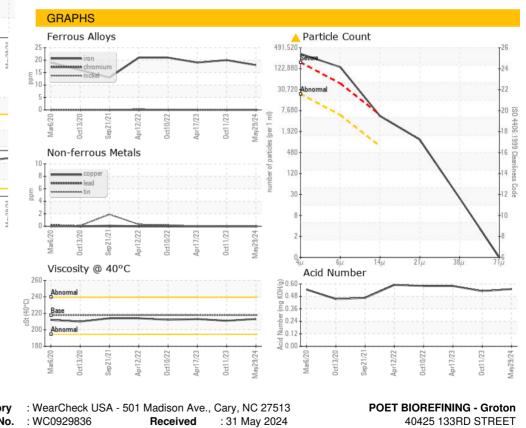
0ct13/20

Sep21/21

Apr12/22

| VISUAL | | method | limit/base | current | history1 | history2 |
|------------------|--------|-----------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |
| Free Water | scalar | *Visual | | NEG | NEG | NEG |
| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
| Visc @ 40°C | cSt | ASTM D445 | 217.7 | 213 | 211 | 213 |
| SAMPLE IMAGES | | method | limit/base | current | history1 | history2 |
| Color | | | | a. | | |
| | | | | | | |

Bottom



Laboratory Sample No. Lab Number : 06196648 Tested : 05 Jun 2024 GROTON, SD Unique Number : 11058771 Diagnosed : 05 Jun 2024 - Jonathan Hester US 57445-6400 Test Package : IND 2 (Additional Tests: PrtCount) Contact: GAVIN KRUEGER Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369. Gavin.Krueger@POET.COM T: 6(05)846-6863 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (605)397-2754

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Oct11/23 -

Apr17/23

Submitted By: GAVIN KRUEGER

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